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1,567,789

F. G. DIEKE

BRUSH SUPPORT

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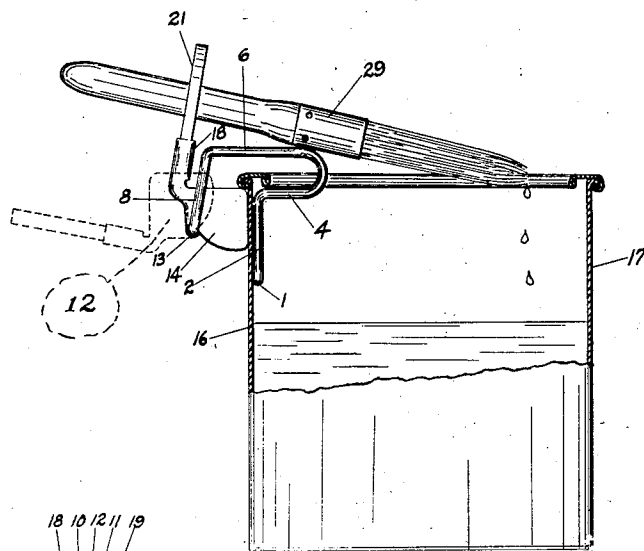


Fig. 1

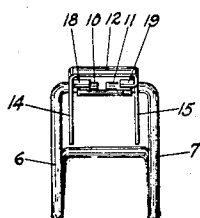


Fig. 2

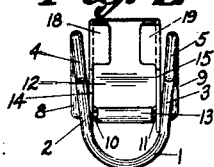


Fig. 3

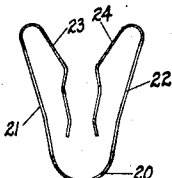


Fig. 4

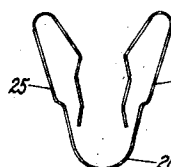


Fig. 5

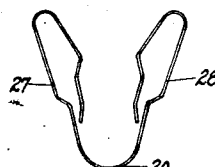


Fig. 6

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UNITED STATES PATENT OFFICE.

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BRUSH SUPPORT.

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To all whom it may concern:

Be it known that I, FREDERICH G. DIEKE, a citizen of the United States, and a resident of Johnson City, county of Broome, and State of New York, have invented certain new and useful Improvements in a Brush Support, of which the following is a description, reference being had to the accompanying drawing, which forms a part of this specification.

My invention relates to brush holders and is particularly adaptable to use with paint brushes, for reasons to be described, although it is to be understood that the invention is not limited to such use and is of wide application and adapted for use with practically all types of brushes, brooms, mops, stirring rods, ladles, and analogous devices.

The principal object of my invention is to provide a brush holder or support which is provided with means for securing the same upon a vessel such as a paint bucket in such a manner that when the brush is supported in the holder, the same is held in proper position for draining back into the bucket.

Another object is to provide a novel and ingenious clamping means for this support.

A still further object is to provide a removable brush securing element whereby a plurality of such elements may be used thereby readily accommodating the holder to any size of brush desired, or necessary.

Another object is to construct the device simply and cheaply and in such manner that it will take up little space on the bucket or vessel, and which may be readily detached therefrom.

Many other objects and advantages in details of construction and operation will be apparent as the description proceeds reference being had to the accompanying drawing wherein like reference numerals indicate like parts.

In the drawing:—

Figure 1 is a side view, partly in section, showing my improved support or brush holder mounted in operative position upon a bucket or vessel. The manner of unclamping the support from the vessel is also illustrated in dotted lines.

Figure 2 is a top plan view of the brush holder with the brush clamping jaws removed.

Figure 3 is a front view of the holder

showing clearly the pivoted clamping means and the socket for receiving the brush holding jaws.

Figures 4, 5 and 6 are details of the brush holding jaws, removed from the holder and illustrating the manner in which the brushes of various sizes are accommodated by my improved holder.

As illustrated, my invention is herein shown and described as being constructed chiefly of heavy bent wire. It is to be understood however that this construction is merely enunciative only and that the device may be constructed of metal or any other suitable material, lending itself to such construction.

In the embodiment illustrated, my invention comprises a U-shaped member 1, the legs 2 and 3 of which extend upwardly in practically the same plane, and are then bent outwardly, parallel and at right angles to said legs, as at 4 and 5 to a point which may be determined by the size of the holder to be used depending of course upon the type and size of brush to be held. The legs are then turned upward and backwardly in a plane parallel to that occupied by the members 4 and 5, as indicated at 6 and 7.

The leg portions 6 and 7 are parallel and extend back beyond the plane occupied by the U-shaped portion 1, and are then turned downwardly as at 8 and 9 where the free ends thereof are then turned inwardly towards each other as at 10 and 11, forming a pivot for the clamping member 12 provided with the sleeve or other suitably formed hinge member 13.

Clamping and supporting member 12 is preferably formed of sheet metal and is provided near its lower end with parallel clamping flanges 14 and 15. The distance from the pivot 13 to the clamping edges of the flanges 14 and 15 is preferably slightly greater than the distance between the pivot 13 and the legs 2 and 3 of the U-shaped member 1, including the thickness of the bucket or other vessel upon which the holder is to be mounted. This fact together with the resilience imparted to the whole structure by the construction just described, permits a tight clamping action between the clamping edges of the flanges 14 and 15 and the side wall 16 of the paint bucket or other vessel 17. The manner of this clamping action is clearly illustrated in Figure 1, wherein it will be noted that upon attaching or detach-

ing the support to or from the vessel 17, the clamping member 12 is first rocked on its pivot 13 to the position shown in dotted lines in Figure 1, whereupon the U-shaped member 1 may be readily slipped over the edge of the vessel.

The upper free end of the clamping member 12 is provided with inwardly turned flanges 18 and 19, forming a socket to receive the closed end of a substantially U-shaped, resilient brush holder, illustrated in Figures 4, 5 and 6.

I do not limit myself to any particular shape or construction of this resilient brush holder, for it will be understood that many varieties and types thereof can be readily applied to the supporting and clamping device. For illustrative purposes, however, I have shown a resilient brush gripper made of flat leaf spring material and comprising the U-shaped portion 20 for engagement within the socket formed by the flanges 18 and 19. The legs 21 and 22 of the brush holder or gripper are then carried upwardly a substantial distance, spreading outwardly to increase the resilience thereof, and then turned inwardly and downwardly as at 23 and 24, the free ends thereof being formed to receive a brush handle or any other device which it may be desired to grip with my support. It will be noted with reference to Figures 5 and 6 that the legs 25 and 26 and 27 and 28 may be formed outwardly to a greater degree if it is desired to provide for a larger brush handle.

This brush gripping element is easily removable from the clamping member 12 by simply compressing the side arms of the holder and withdrawing the U-shaped portion 20 from the socket in the member 12.

It will be noted that the horizontal portions 6 and 7 of the supporting member provide a rest for the brush 29 and as the resilient brush gripping member is higher than the members 6 and 7, it will be seen that the tendency of the brush so held is to drain back into the bucket or vessel. The advantages of such a construction will be obvious to those skilled in the art.

The operation of my invention is as follows: It being desired to mount the supporting device on a paint bucket or other vessel the operator first pivots the clamping member 12 backwardly as shown in dotted lines in Figure 1, and slips the U-shaped member 1 over the edge of one side of the vessel, then rocks the member 12 back upwardly on its pivot whereupon the clamping edges of the flanges 14 and 15 will come into engagement with the side wall of the vessel. Due to the resiliency of the structure, this clamping action is sufficient to securely hold the supporting device in rigid and ready position upon the edge of the bucket. The handle of a brush or other instrument may then

be forced in between the arms 23 and 24 of the resilient brush gripping member, the wide portion of the brush then being permitted to rest upon the end of the members 6 and 7 whereby the brush may drain back into the vessel. If it is desired to secure and support a larger brush, it is merely necessary to remove the resilient brush gripper and replace it with one better suited for the particular size being used, such as illustrated in Figures 5 and 6.

If desired, of course, the entire supporting and clamping member can be readily removed from the vessel.

As heretofore stated, I do not limit myself to the exact structure herein shown and described, the same being the preferred embodiment, other than by the appended claims.

I claim:

1. A brush holder comprising a supporting element, means pivoted to said support for clamping the same to a vessel, said clamping means carrying removable brush gripping means.

2. A brush holder comprising a resilient supporting element, means pivoted to said support for clamping the same to a vessel, said clamping means carrying removable resilient brush gripping means.

3. A brush holder comprising a resilient U-shaped supporting element, the free ends of said element providing a pintle, a clamping device pivoted on said pintle, for securing said supporting element to a vessel, and resilient means on said clamping device for gripping a brush handle.

4. A brush holder comprising a resilient U-shaped supporting element provided with a brush rest, a clamping device pivoted to the free ends of said supporting element, and removable resilient means on said clamping device for gripping a brush handle.

5. A brush holder comprising a resilient U-shaped supporting element provided with a brush rest, a clamping device pivoted to the free ends of said supporting element, and removable resilient means on said clamping device for gripping a brush handle, said resilient means being in a higher plane than said brush rest.

6. A brush holder including in combination a supporting element, means on said element for receiving a brush gripping member, and a plurality of various sized brush gripping members adapted for engagement with said means.

7. A brush holder including in combination a resilient supporting element, pivoted clamping means therefor, a holder on said clamping means, and a removable brush gripping member in said holder.

8. A brush holder including in combination a resilient support having a brush rest, means pivoted to said support for clamping

the same to a vessel, a holder on said means, and a removable resilient brush gripping device in said holder.

5 9. A brush holder including in combination a resilient support having a brush rest, means pivoted to said support for clamping the same to a vessel, a holder on said means, and a removable resilient brush gripping device in said holder, said brush gripping
10 device being in a higher plane than said brush rest.

10 10. A brush holder including in combination a resilient support having a brush rest, means for securing said support to a vessel, a holder on said means, and a brush gripping
15 element in said holder comprising a U-shaped resilient member the free ends of which are adapted to gripping action.

11. A brush holder comprising a U-shaped

wire support, a holder pivoted to said support and provided with clamping flanges for securing said support to a vessel, said holder also having a socket, and brush gripping jaws in said socket. 20

12. A brush holder comprising a U-shaped wire support, a holder pivoted to said support and provided with clamping flanges for securing said support to a vessel, said holder
25 also having a socket, and removable, resilient brush gripping jaws in said socket. 30

13. A brush holder comprising a wire support provided with a vessel engaging part and a brush rest, clamping means to secure said support to a vessel, a holder on said means and a resilient brush gripping
35 element in said holder.

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